

## ABSTRACT

## NEW EFFECTORS OF DIPEPTIDYL PEPTIDASE IV FOR TOPICAL USE

10 The invention relates to compounds for topically influencing the activity of dipeptidyl peptidase of the general formula



15 wherein

A is an amino acid having at least one functional group in the side chain;

B is a chemical compound covalently bound to a functional group of the side chain of A, chosen from the group consisting of

(a) oligopeptides having a chain length of up to 20 amino acids,

20 (b) homopolymers of glycine consisting of up to 6 glycine monomers,  
and

(c) polyethylene glycols having molar masses of up to 20 000 g/mol;  
and

C is a group amide-bonded to A chosen from the group consisting of

25 thiazolidine, pyrrolidine, cyanopyrrolidine, hydroxyproline, dehydroproline or piperidine.

The invention further relates to the use of said compounds for targeted intervention in local immunological processes (chemotaxis, inflammatory processes, autoimmune diseases), as well as effective and targeted treatment of 30 pathophysiological and physiological processes related thereto (psoriasis, periodontitis, arthritis, allergies, inflammation), *inter alia*.